



To express interest in this assignment, please reach out to mireille.ngokion@crs.org

**Farmer to Farmer Benin
Volunteer Assignment Scope of Work**

Notice for potential volunteers:
Some assignment details are subject to change

Summary Information	
Assignment Code	BJ205
Country	Benin
Country Project	Cashew subsector
Host Organization	Ets Les Triangles (CIAT, the apiary)
<i>Type of Volunteer Assistance</i>	Technology Transfer (T)
<i>Type of Value Chain Activity</i>	Information and Input support services (S)
Assignment Title	Beekeeping
Assignment preferred dates	April 2019
Objectives of the assignment	<ul style="list-style-type: none"> • Training on hives with frames building, • Training on packets of bee production techniques
Desired volunteer skill/expertise	<ul style="list-style-type: none"> • Expert in hives with frames building for beekeeping • Expert packets of bee production techniques • Relevant experiences in modern techniques of beekeeping • Experiences in adult training • Be familiar to participatory approach

A. BACKGROUND

The Triangles is an establishment that has a training center named “the integrated center of tropical beekeeping and ecotourism” (CIAT, the Apiary). The CIAT has been created since 1991 with the mission of:

- Replacing honey hunting with profitable and sustainable beekeeping
- Professionalizing beekeeping to meet the constantly growing needs of the sub-region with honey and other hive products,
- Expanding the apicultural mainly beekeeping practices to women,
- Making Benin the apicultural power of the sub-region.

The CIAT activities are mainly focused on:

- Training in modern apiculture techniques,
- Installation of beekeeping production units,
- Production and distribution of apiculture equipment,
- Producers’ monitoring,
- Production of honey and other products from the hives,
- Collection of bee products from producers formed by CIAT,
- Processing of apicultural products.
- Marketing honey and other hive products.

For the development of its activities, CIAT has some infrastructures such as the following: 1 classroom with ventilation (20 places), 1 air-conditioned conference room (120), 1 multipurpose hall with ventilation (350 seats), 1 honey house, 1 workshop for manufacturing cement hives, 1 carpentry sawmill for the manufacture of wooden hives and hives, 1 beehive processing workshop, 3 breeding and fertilization stations for queens.

CIAT has 4 apiaries schools and 2 apiaries production made up of the improved traditional hives of Kenyan cement hives and frame hives, for a total of 90 hives. In addition, CIAT has an artisanal honey house with a tiled floor and a white painted ceiling with all the additional services. CIAT has some teaching materials such as school apiaries, glass hives for observations of the operation of colonies without the risk of bee stings, and a video library with professional video cassettes and specialized in temperate beekeeping and tropical apiculture. There are some CDs on Benin beekeeping from A to Z that show how to capture bees, how to install apiaries, how to conduct apiaries, how to harvest, to package and to market. Up to know, more than 3000 beekeepers have been trained in the

B. ISSUE DESCRIPTION

The issue about the training center is threefold. First, there is a high demand of honey from inside Benin not yet covered (only 25% of the total demand is covered) and from outside mainly from Nigeria where there is a firm order of 385000 tons per year to satisfy. In addition, there is a pending order from the

European Union of 200000 tons of honey not yet satisfied. Then, there is a need to increase the honey production. But the hives that the beekeepers are using so far in the country (local hives and Kenyan hives) cannot supply more than 12 liters per harvest whereas the hives with frames can help to triple this quantity. Secondly, there are also some needs regarding many other products derived from the harvest such as the wax, honey cakes, etc., that only the hives with frame can provide. Thirdly, there is a need to develop urban beekeeping to satisfy the increasing demand from the towns.

C. OBJECTIVES OF THE ASSIGNMENT

The general objective of this assignment is to train the beekeepers on how to build the hives with frames and provide the optimizing techniques of their use. Especially, this assignment intends to:

- Train the beekeepers on the hives with frame building (how to choose the woods, how to saw the woods, different types of hives with frames, the sizes of the frames, how to fix the metal frames, how to make the embossed wax, etc.),
- Train the beekeepers on packets of bee's production techniques

D. HOST CONTRIBUTION

The contribution of Ets Les Triangles to this assignment will consist of supporting the commuting, the lodging and the feeding fees of the participants to the training sessions. In addition, it will provide conference room for the training sessions. Finally, Ets Les Triangles promises to provide lodging in its training center for the volunteer.

E. ANTICIPATED RESULTS FROM THE ASSIGNMENT

With volunteer technical assistance, the total production of honey in the country will be doubled and the derived products will be available. Then, all the pending orders of honey mentioned above will be satisfied. In addition, this training will impact about the 3000 beekeepers in the country. It will also help to satisfy on time the partners' requests and will help to avoid delays in their delivery. The production of packets of bees will help to pollinize the cashew plants to help to increase their yield. It will also help to better exchange with the buyers and negotiate better market price.

F. DELIVERABLES

The deliverables expected from this assignment are the follows:

- Effective training of the beekeepers on how to build the hives with farms
- Train the beekeepers on packets of bee's production techniques
- Training guidelines/manuals developed on digitized data collection
- Debriefing with USAID and in country group after assignment

- Provide activity report

G. SCHEDULE OF VOLUNTEER ACTIVITIES IN COUNTRY (DRAFT)

Day	Activity
Day 1	Travel from home to US international airport
Day 2	Arrival at Benin International Airport, picked up and check in at Livingstone Hotel.
Day 3	At 9.00 am, the volunteer is greeted at the hotel by CRS staff and thereafter go to CRS office for introductions and orientations (briefings including host brief), logistics and expectations and anticipated outcomes. Any necessary hand-outs will be prepared at CRS offices and Travel to Parakou and Komiguia (8 km ahead of Parakou) and check in Ets les Triangles lodging.
Day 4	CRS Benin F2F team introduces the volunteer to Benin The Ets les Triangles staff in Komiguia. Together with CRS and Ets les Triangles leaders, the volunteer will review and finalise the work-plan. The action plan should include other groups trainings to be done after the assignment.
Days 5-6	Assessment of the existing materials and equipment's of the Center and proceed to the training organization
Day 7-11	Train about 15 beekeepers and some carpentries on hives with frames building techniques with practical sessions
Day 12-17	Training about 15 beekeepers on packets of bees production and some derived products harvesting (wax, honey cakes, etc.)
Day 18-19	Review and streamline replicate the training sessions for many other beekeepers
Day 20	Wrap up the meetings with Ets les Triangles responsible, debriefing with CRS Benin F2F staff and Ets les Triangles leaders, actions plan and recommendations review and travel back to Cotonou
Day 21	Debriefing at CRS office with USAID Mission and CRS staff. Volunteer will finalize his/her reporting at CRS office and fill out all necessary M&E forms as well finalize advances and expenditures with finance
Day 22	Depart for USA
TBD	Outreach event in the US

This is a draft schedule. A final itinerary will be discussed and agreed upon between the volunteer, host, and F2F team.

H. DESIRABLE VOLUNTEERS SKILLS

As described above, the volunteer we are looking for this assignment must have relevant professional skills and practical experiences in modern techniques of beekeeping activities. Especially, he or she must be:

- Expert in hives with frames building and installing techniques,
- Expert in beekeeping and honey and derived products extracting,
- Well experienced in adult training approach
- Be Open to share knowledge and his or her experiences
- Be able to live in rural area

I. ACCOMMODATION AND OTHER IN-COUNTRY LOGISTICS

In Cotonou, the volunteer will stay at Livingstone Hotel, whereas in Komiguija the volunteer will stay at Ets les Triangles centers' lodging. CRS will pay for hotel accommodation, and provide volunteer with per diems to cater for meals and other incidentals. The volunteer may get an advance which has to be clarified before departing Benin. In addition, a local network SIM card will be provided to the volunteer at his or her arrival in Cotonou. In Komiguija, CRS will hire a local translator for the volunteer's work and Ets les Triangles will contribute to the volunteer 'commuting as well as mobilizing and supported its members for training sessions. The Ets les Triangles' manager will work closely with the volunteer, during the preparations and the trainings, to ensure that key persons are trained and will continue training other even after the assignment is completed.

J. RECOMMENDED ASSIGNMENT PREPARATIONS

1. Training Materials

The volunteer should prepare materials for hand out which can be printed at CRS office in Benin before his arrival. Flip charts, markers, masking tapes can be obtained at CRS offices in case the volunteer wishes to make some illustrations. If required for the assignment, the volunteer bring a laptop with him. But for presentations, Ets les Triangles can provide a projector for PowerPoint presentations and some materials for practical sessions (see list above).

2. Working Environment

Komiguija is in the North of Benin from about 457 km of Cotonou. Ets les Triangles is headquartered in the village of Komiguija which is about 8 km from Parakou the main city in the north. Most of the sessions

will take place in the site of Ets les Triangles. The volunteer will work mainly with the Responsible of Ets les Triangles Mr Sarki. In Komiguia, the volunteer will meet both Muslims and Christians and the main languages are dendi, bariba. People are open to collaborate with foreigners.

3. Recommended Reading

CRS strongly recommends that the volunteer becomes familiar with this SOW, read some books on beekeeping sector in tropical area prior his or her arrival in the country as well as country information that will be provided. Anyway, some orientations will be given to him or her before his departure to the field.

4. Weather Appropriate Clothing

The weather appropriate clothing is light and not dark clothes. In the North of Benin, the weather is a bit hot and dry with some temperatures varying between 25 to 42 Celsius degree. It is also a sunny weather with some rains fall from June.

K. KEY CONTACTS

CRS Baltimore	Country Director
Mireille Ngokion Volunteer Coordinator Farmer to Farmer Program 228 W. Lexington Street Baltimore, MD 21201 410-951-7315 Email: mireille.ngokion@gmail.com	Nestor ALOKPAI CRS Benin F2F Country Program Director Cotonou, Benin Email: nestor.alokpai@crs.org Tel: 69 84 29 12 or 97 52 54 56 (also for WhatsApp)
CRS Country Program	
RONGEARD Marie CRS Benin Head of Programs Cotonou, Benin Email: rongeard.marie@crs.org Tel: 97975080	Sean GALLAGHER Country Representative CRS Benin and Togo Haie Vive, Cotonou Benin Email: sean.gallagher@crs.org Tel : 97975082
Host Organization:	
Yantannou Sakri Promotor of Ets les Triangles E-mail: lestriangles@yahoo.fr , Website: www.lestriangles.com , BP 662 Parakou, Tel : (229) 96.28.55.20	